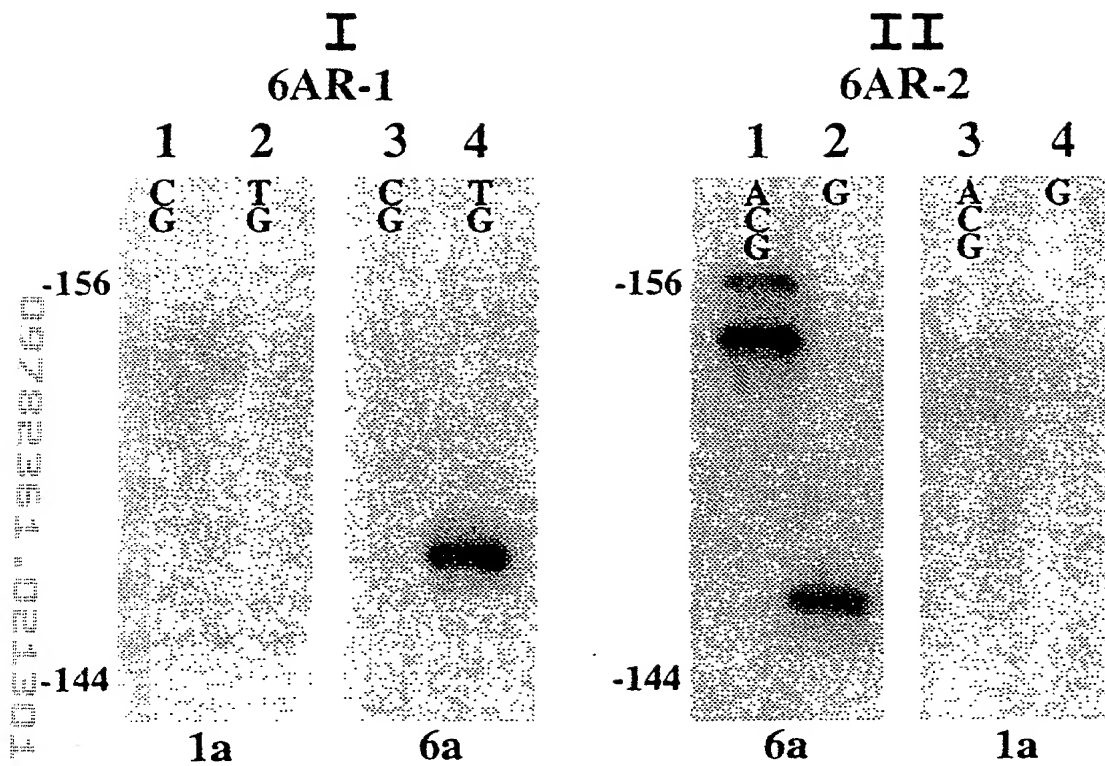


Fig. 1

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	-157	-145	-144	
1a	5'---AGGACCGGGTCCTTTC	(. .)	TTGG-----3'	(SEQ. ID. NO. 43)
I-1		X	← 6AR-1 5'	C, G
I-2		X	← 6AR-1 5'	G, T
6a	5'---AGGACCGGGTCCTTTC	(C A)	TTGG-----3'	(SEQ. ID. NO. 44)
I-3		X	← 6AR-1 5'	C, G
I-4		XXG G T	← 6AR-1 5'	G, T
6a	5'---AGGACCGGGTCCTTTC	(C A)	TTGG-----3'	(SEQ. ID. NO. 45)
II-1	XGGCCCAGGAAAG	G	← 6AR-2 5'	A, C, G (SEQ. ID. NO. 46)
II-2		XXG G	← 6AR-2 5'	G
1a	5'---AGGACCGGGTCCTTTC	(. .)	TTGG-----3'	(SEQ. ID. NO. 47)
II-3		X	← 6AR-2 5'	A, C, G
II-4		X	← 6AR-2 5'	G

FIG. 2

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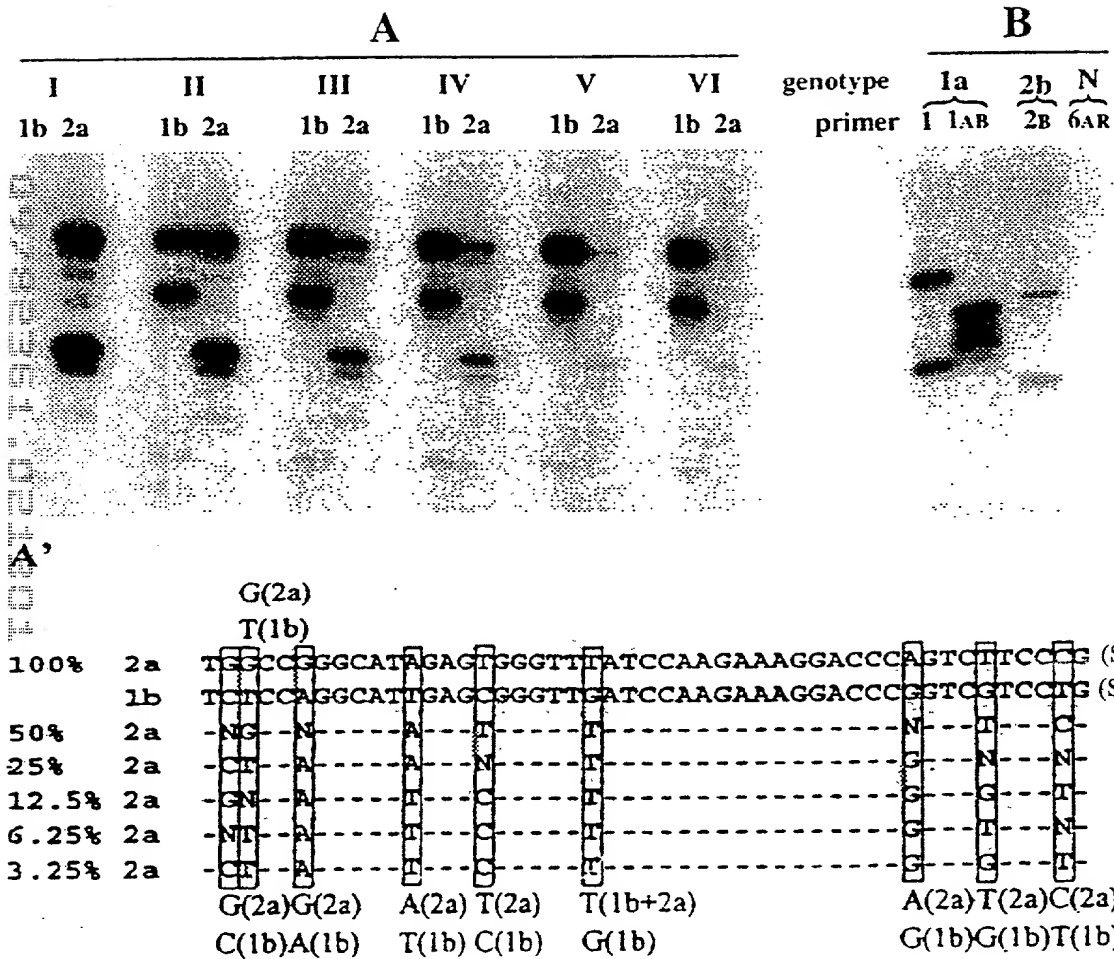
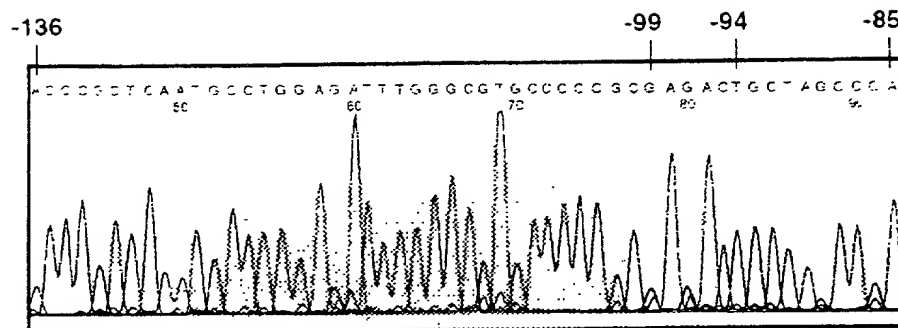


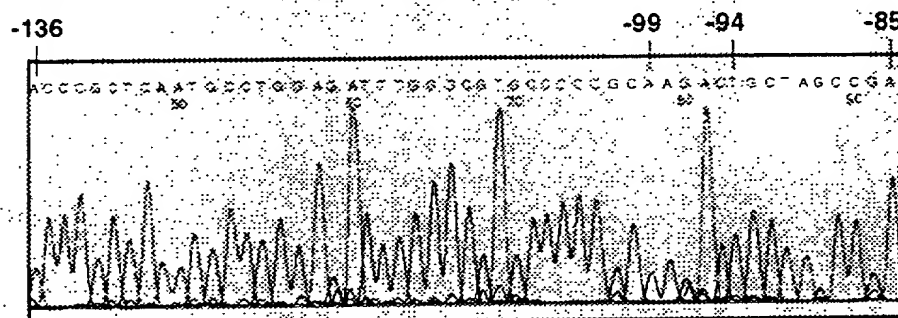
FIG. 3

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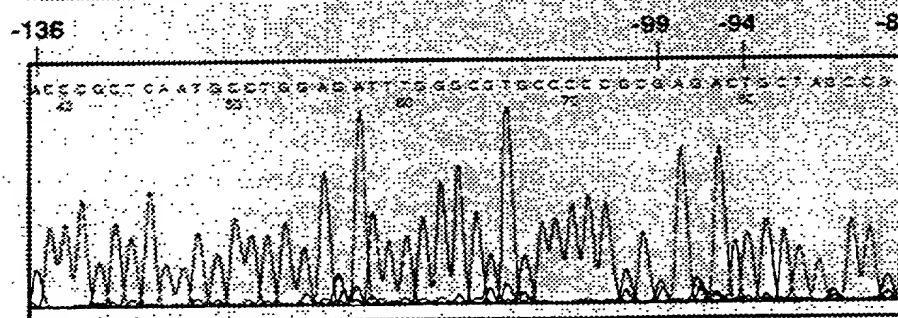
I J
(1b)



H
(1a)



I
(1b)



II

J (1b) H (1a) I (1b)

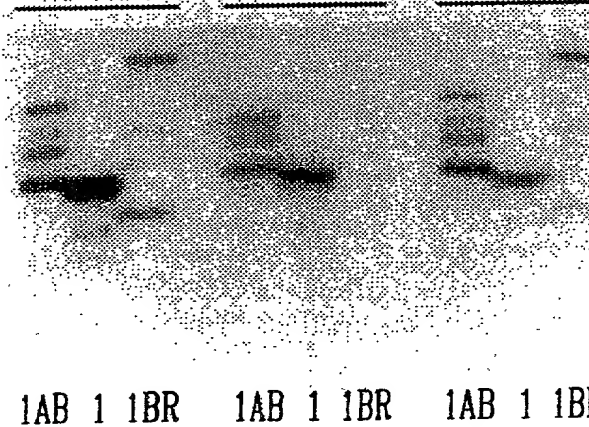


Fig. 4

dNTPS

Expected base extension

ATC	<u>Primer → T</u>	CAXX	3
ATG	<u>Primer → T</u>	X-XX	1
ACG	<u>Primer → X-X</u>		0
TCG	<u>Primer → T</u>	CX--X	2
WT	-----A	GTCCACATCCT	----(SEQ ID NO:16)
ATC	<u>Primer → X</u>	X	0
ATG	<u>Primer → G</u>	XX	1
ACG	<u>Primer → G</u>	CAGGX-X	5
TCG	<u>Primer → G</u>	CX--X	2
MU	-----C	GTCCACATCCT	----(SEQ ID NO:17)

3' **XTCATACTAXTCCATGAGTATCTTTAGACACCTGTATTTCG** 5' L63 + PRIMER (1) (SEQ ID NO:18)
 5' AGACAGTATGATCAGGTACTCATAGAAATCTGTGGACATAAAGC 3' PRO63L(G)-R (SEQ ID NO:19)

X

3' GAGTATCTTTAGACACCTGTATTTCG 5' L63P + PRIMER (2) (SEQ ID NO:20)
 5' AGACAGTATGATCAGGTACCCCATAGAAATCTGTGGACATAAAGC 3' PRO63L(G)-R (SEQ ID NO:21)

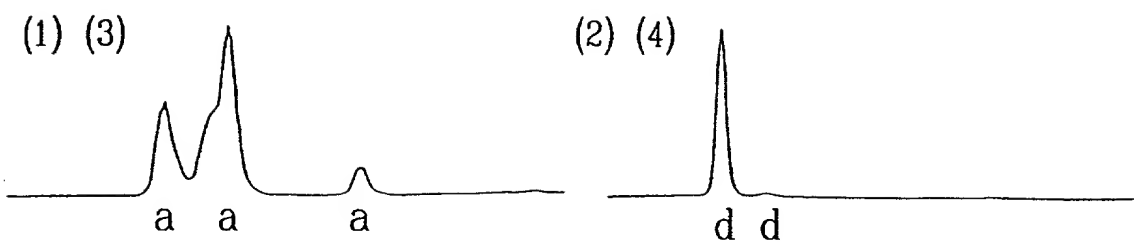
6/10
 3' **XTCATACTAXTCCATGGGTATCTTTAGACACCTGTATTTCG** 5' L63P + PRIMER (3) (SEQ ID NO:22)
 5' AGACAGTATGATCAGGTACCCCATAGAAATCTGTGGACATAAAGC 3' PRO63P(G)-R (SEQ ID NO:21)

X

3' GGGTATCTTTAGACACCTGTATTTCG 5' L63 + PRIMER (4) (SEQ ID NO:23)
 5' AGACAGTATGATCAGGTACTCATAGAAATCTGTGGACATAAAGC 3' PRO63P(G)-R (SEQ ID NO:19)

~~SECRET~~ - BA

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FE-6B

3' XXAGACTTCTGAGTCTAACCAACGTGAAATTTA 5' PRO90L-R (1) (SEQ ID NO:24)
 5' --AATCTGAAGACTCAGATTGGTTGCACCTTTAAAT---3' L90 (SEQ ID NO:25)

X

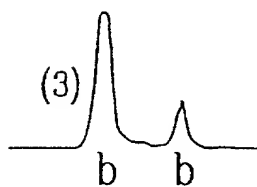
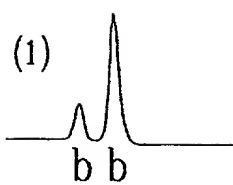
3' TTCTGAGTCTAACCAACGTGAAATTTA 5' PRO90L-R (2) (SEQ ID NO:26)
 5' --AATCTGATGACTCAGATTGGTTGCACCTTTAAAT---3' L90M (SEQ ID NO:27)

5' CTGTCAACATAATTGGAAGAAATCTGATGACCGCAGAXX 3' PRO90M-F (3) (SEQ ID NO:28)
 3' --GACAGTTGTATTAAACCTTCTTTAGACTACTGCGTCTAA---5' L90M (SEQ ID NO:29) ⁸/₁₀

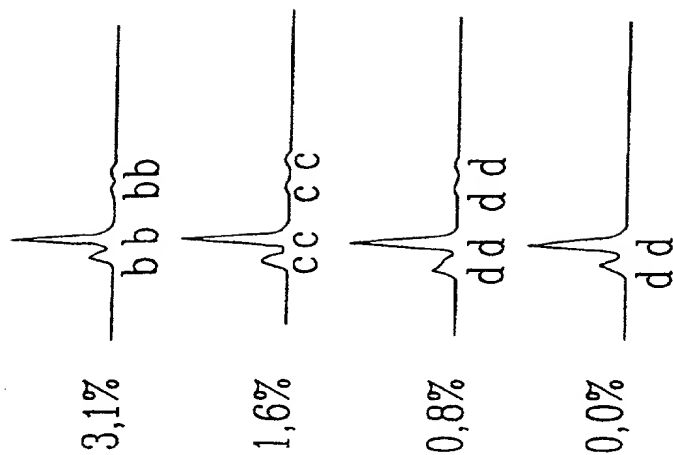
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5' CTGTCAACATAATTGGAAGAAATCTGAT 3' PRO90M-F (4) (SEQ ID NO:30)
 3' --GACAGTTGTATTAAACCTTCTTTAGACAACTGAGTCTAA--5' L90 (SEQ ID NO:31)

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FIIS-7B



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MU → T AGTTGTATTAAAXX (SEQ ID NO:32)
----- A TCAACATAATTGGAAGA (SEQ ID NO:33)
→ X
WT ----- C -----

TISS - 8

UNITED STATES PATENT AND TRADEMARK OFFICE
DOCUMENT CLASSIFICATION BARCODE SHEET



Sequence Listing

9

Level - 2
Version 1.1

PATENT
4757US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Yu-Wen Hu

Serial No.: To be assigned

Filed: February 13, 2001

For: PRIMER-SPECIFIC AND MISPAIR
EXTENSION ASSAY FOR IDENTIFYING
GENE VARIATION

Examiner: To be assigned

Group Art Unit: To be assigned

Attorney Docket No.: 4757US

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Person making Deposit: Daniel Thatcher

Statement under 37 C.F.R. §§ 1.821(f)

Commissioner for Patents
Washington, D.C. 20231

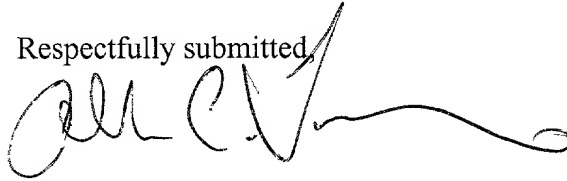
Sir:

I, Allen C. Turner, an attorney registered to practice before the United States Patent & Trademark Office and attorney of record for this application, state that:

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2. The enclosed copy of the SEQUENCE LISTING in computer readable form (CRF) is believed to be identical to the paper copy of the SEQUENCE LISTING.

Respectfully submitted,



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TRASK BRITT, PC
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Telephone: (801) 532-1922

Date: February 13, 2001

N:\2883\4757\Sequence listing statement.txt

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